

Mars Greenhouse Registry

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The greenhouse desk mixed three caretakers' seed records with a cancelled delivery. Match each caretaker, decode the seed note and check the planting slots. Collect five named badge digits and use the final sheet. Every clue is on the table; ask the host for one hint at a time.

1. Print one player pack and two record sheets per team. Keep the host answers and all three hint levels with the adult.
2. Keep every clue as a full sheet at one table. Put the final sheet face down until all five results are recorded. Nothing needs cutting, folding or hiding.
3. Give each child a pencil. Choose a reader, recorder and checker, and swap jobs after each clue. Use one team for 2-4 children or two teams for 5-6.

Players: 4; teams: 1. Print one player and prop set per team. Invitations and certificates: 4 each.

Paper and pencils are enough. Keep whole sheets at one table; nothing needs cutting, folding or hiding.

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HOST ONLY - solution guide

1. Seed: 8

Only row 3 has SEED followed immediately by 8. Other rows have changed or reversed letters.

2. Keeper: 2

Ava has Corn; Jae has Bean; Luis has Pea. Luis's item gives 2.

3. Delivery: 5

Known stock: $8 + 3 - 3 = 8$. Closing stock 13 minus 8 gives the missing return 5. Cancelled +7 never arrived.

4. Plot: 8

B1, C2, C2, D3 reads SEED. The conversion table gives 8.

5. Weight: 2

Remove 1 from 7; share 6 among 3 parcels to get 2. Check $2 \times 2 + 3 = 7$.

6. Final: 02517

Only Record B matches all five columns. Copy its printed code 02517.

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HOST ONLY - timeline and paper check

3 minutes: Read the story, show the badge record and choose roles.

undefined minutes: Solve Seed. Offer one hint level at a time if wanted.

6 minutes: Solve Keeper. Offer one hint level at a time if wanted.

5 minutes: Solve Delivery. Offer one hint level at a time if wanted.

5 minutes: Solve Plot. Offer one hint level at a time if wanted.

5 minutes: Solve Weight. Offer one hint level at a time if wanted.

5 minutes: Use the five results on the final sheet.

2 minutes: Read the ending and thank each teammate.

Paper completion: check each badge against the solution guide, then check the final code. No device is required.

The planting record is restored. The team can sketch its paper Mars garden. Thank your team for checking the evidence together. Confirmed: Record B, code 02517.

Duration and ages are estimates. Adjust pace and offer help for your group.